

Release notes for ENDF/B Development e-082_Pb_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-082_Pb_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Pb + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Pb [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Pb [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Pb + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Pb [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Pb1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 88290. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Pb2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 15847. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Pb2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 15251. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Pb2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13040. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Pb3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3824.3 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Pb3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3549.3 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Pb3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3054.6 eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Pb3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2594.7 eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Pb3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2489. eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Pb4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 876.72 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Pb4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 756.02 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Pb4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 634.3 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Pb4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 435.23 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Pb4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 412.49 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Pb4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 153.04 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Pb4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 147.81 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Pb5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 152.83 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Pb5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 110.91 eV!
22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Pb5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 87.64 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Pb5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 28.81 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Pb5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 26.03 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + Pb6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 15.05 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + Pb6p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7. eV!
27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + Pb6p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.29 eV!

- xsectplotter Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

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stderr while processing crossSection
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WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]
```